

INFORMATION DISCLOSURE CITATION PTO-1449	Atty. Docket No. 031053	Serial No. 10/657,182
	Applicant(s): HIWATA, Akira, et al.	
	Filing Date: September 9, 2003	Group Art Unit: 3744

U.S. PATENT DOCUMENTS

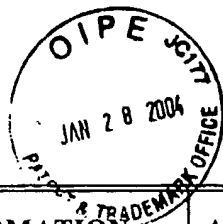
Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
CJ	AA 1,539,728	Ensign	05/26/25			02/23/24
	AB 4,174,931	Ishizuka	11/20/79	418	259	12/13/77
	AC 4,248,575	Watanabe et al.	02/03/81	418	93	01/29/79
	AD 4,455,129	Sakitani et al.	06/19/84	418	82	09/14/81
	AE 4,498,853	Sakamaki et al.	02/12/85	418	268	12/08/80
	AF 4,516,920	Shibuya	05/14/85	418	23	03/30/84
	AG 5,327,745	Gilmour	07/12/94	62	467	09/28/93
	AH 6,321,564 B1	Yamanaka et al.	11/27/01	62	510	03/13/00

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
CJ AI 57-108555	07/06/82	Japan	No
AJ 62-77562	04/09/87	Japan	No
AK 10-19401	01/23/98	Japan	Abstract
AL 2001-108257	04/20/01	Japan	Abstract
AM 2001-207983	08/03/01	Japan	Abstract
AN 1 503 590	07/03/69	Germany	No
AO 2 261 873	06/27/74	Germany	No
AP 25 44 232	07/01/76	Germany	No
AQ 99/02862	01/21/99	PCT	Yes
AR 02/18848 A1	03/07/02	PCT	Yes

OTHER DOCUMENTS

CJ	AS	Robinson et al., "Efficiencies of transcritical CO ₂ cycles with and without an expansion turbine", <i>Int. J. Refrig.</i> , Vol. 21, No. 7, pp. 577-589, 1998.
Examiner	CJ	Date Considered 6/29/04



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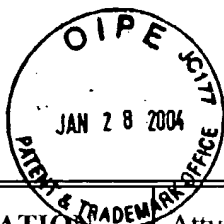
Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
CI	AA	4,174,931	ISHIZUKA	11-20-79	418	259
↓	AB	4,498,853	SAKAMAKI et al.	2-12-85	418	268
↓	AC	4,455,129	SAKITANI et al.	6-19-84	418	82
↓	AD	4,516,920	SHIBUYA	5-14-85	418	23
↓	AE	6,321,564 B1	YAMANAKA et al.	11-27-01	62	510

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Document No.			Date	Country	Translation (Yes or No)
CI ↓ ↓ ↓ ↓	AF	WO 99/02862	1-21-99	PCT	
	AG	2001-207983	8-3-01	Japan	abstract
	AH	10-19401	1-23-98	Japan	abstract
	AI	25 44 232	7-1-76	Germany	no
	AJ	2 261 873	6-27-74	Germany	no

OTHER DOCUMENTS

CI	AK	Douglas M. Robinson et al. "Efficiencies of transcritical CO ₂ cycles with and without an expansion turbine"; International Journal of Refrigeration, vol. 21, no. 7, November 1998 (pages 577-589)
Examiner	CI	Date Considered 6/28/04



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CJ	AL	5,327,745	GILMOUR	7-12-94	62	467
OS	AM	4,248,575	WATANABE et al.	2-3-81	418	93
OS	AN	1,539,728	W. B. ENSIGN	5-26-25		
—	AO					
—	AP					

FOREIGN PATENT DOCUMENTS

Document No.	Date	Country	Translation (Yes or No)
CJ	7-3-69	Germany	no
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OTHER DOCUMENTS

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Examiner	CJ	Date Considered 6/28/04